

1602
RECEIVED

APR 19 2002

TECH CENTER 1600/2900



OIPE

RAW SEQUENCE LISTING

DATE: 03/07/2002

PATENT APPLICATION: US/10/080,455

TIME: 11:27:57

Input Set : N:\Crf3\RULE60\10080455.txt

Output Set: N:\CRF3\03072002\J080455.raw

3 <110> APPLICANT: Ashkenazi, Avi J.
 4 Baker, Kevin P.
 5 Godowski, Paul J.
 6 Gurney, Austin L.
 7 Mark, Melanie R.
 8 Marsters, Scot A.
 9 Pitti, Robert M.
 11 <120> TITLE OF INVENTION: DNA19355 Polypeptide, A Tumor Necrosis Factor Homolog
 13 <130> FILE REFERENCE: P1150R2
 15 <140> CURRENT APPLICATION NUMBER: 10/080,455
 16 <141> CURRENT FILING DATE: 2002-02-22
 18 <150> PRIOR APPLICATION NUMBER: 09/195,368
 19 <151> PRIOR FILING DATE: 1998-11-18
 21 <150> PRIOR APPLICATION NUMBER: US 60/069,661
 22 <151> PRIOR FILING DATE: 1997-12-12
 24 <150> PRIOR APPLICATION NUMBER: US 60/065,635
 25 <151> PRIOR FILING DATE: 1997-11-18
 27 <160> NUMBER OF SEQ ID NOS: 8
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 177
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 34 <400> SEQUENCE: 1
 35 Met Cys Leu Ser His Leu Glu Asn Met Pro Leu Ser His Ser Arg
 36 1 5 10 15
 38 Thr Gln Gly Ala Gln Arg Ser Ser Trp Lys Leu Trp Leu Phe Cys
 39 20 25 30
 41 Ser Ile Val Met Leu Leu Phe Leu Cys Ser Phe Ser Trp Leu Ile
 42 35 40 45
 44 Phe Ile Phe Leu Gln Leu Glu Thr Ala Lys Glu Pro Cys Met Ala
 45 50 55 60
 47 Lys Phe Gly Pro Leu Pro Ser Lys Trp Gln Met Ala Ser Ser Glu
 48 65 70 75
 50 Pro Pro Cys Val Asn Lys Val Ser Asp Trp Lys Leu Glu Ile Leu
 51 80 85 90
 53 Gln Asn Gly Leu Tyr Leu Ile Tyr Gly Gln Val Ala Pro Asn Ala
 54 95 100 105
 56 Asn Tyr Asn Asp Val Ala Pro Phe Glu Val Arg Leu Tyr Lys Asn
 57 110 115 120
 59 Lys Asp Met Ile Gln Thr Leu Thr Asn Lys Ser Lys Ile Gln Asn
 60 125 130 135
 62 Val Gly Gly Thr Tyr Glu Leu His Val Gly Asp Thr Ile Asp Leu
 63 140 145 150

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/080,455

DATE: 03/07/2002

TIME: 11:27:57

Input Set : N:\Crf3\RULE60\10080455.txt

Output Set: N:\CRF3\03072002\J080455.raw

```

65 Ile Phe Asn Ser Glu His Gln Val Leu Lys Asn Asn Thr Tyr Trp
66                               155                               160                               165
68 Gly Ile Ile Leu Leu Ala Asn Pro Gln Phe Ile Ser
69                               170                               175                               177
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 1964
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <220> FEATURE:
77 <221> NAME/KEY: unsure
78 <222> LOCATION: 1857, 1875
79 <223> OTHER INFORMATION: n may be any nucleotide
81 <400> SEQUENCE: 2
82  cagctctcat ttctccaaaa atgtgtttga gccacttgga aaatatgcct 50
84  ttaagccatt caagaactca aggagctcag agatcatcct ggaagctgtg 100
86  gctcttttgc tcaatagtta tgttgctatt tctttgctcc ttcagttggc 150
88  taatctttat ttttctccaa ttagagactg ctaaggagcc ctgtatggct 200
90  aagtttgga cttaccctc aaaatggcaa atggcatctt ctgaacctcc 250
92  ttgcgtgaat aaggtgtctg actggaagct ggagatactt cagaatggct 300
94  tatatttaat ttatggccaa gtggctccca atgcaaaact caatgatgta 350
96  gctccttttg aggtgcggt gtataaaaaac aaagacatga taaaaactct 400
98  aacaaacaaa tctaaaatcc aaaatgtagg agggacttat gaattgcatg 450
100 ttggggacac catagacttg atattcaact ctgagcatca ggttctaaaa 500
102 aataatacat actggggtat cattttacta gcaaatcccc aattcatctc 550
104 cttagagactt gatttgatct cctcattccc ttcagcacat gtagaggtgc 600
106 cagtgggttg attggaggga gaagatatcc aatttctaga gtttgtctgt 650
108 ctacaaaaat caacacaaac agaactcctc tgcacgtgaa tttcatcta 700
110 tcatgcctat ctgaaagaga ctacaggggaa gagccaaaga cttttggttg 750
112 gatctgcaga aatacttcat taatccatga taaaacaaat atggatgaca 800
114 gaggacatgt gcttttcaaa gaatctttat ctaattcttg aattcatgag 850
116 tggaaaaatg gagttctatt cccatggaag atttacctgg tatgcaaaaa 900
118 ggatctgggg cagtagcctg gctttgttct catattcttg ggctgctgta 950
120 attcattctt ctcatactcc catctttctg gaccctccca ataaaaagta 1000
122 gactgatagg atggccacag atatgcctac cataccctac tttagatatg 1050
124 gtggtgtag aagataaaga acaatctgag aactattgga atagaggtac 1100
126 aagtggcata aaatggaatg tacgctatct ggaaatttct cttggtttta 1150
128 tcttcctcag gatgcagggt gctttaaaaa gccttatcaa aggagtcatt 1200
130 ccgaaccctc acgtagagct ttgtgagacc ttactgttgg tgtgtgtgtc 1250
132 taaacattgc taattgtaaa gaaagagtaa ccattagtaa tcattaggtt 1300
134 taacccaga atggtattat cattactgga ttatgtcatg taatgattta 1350
136 gtatttttag ctagctttcc acagtttgca aagtgtttc gtaaaacagt 1400
138 tagcaattct atgaagttaa ttgggcaggc atttggggga aaattttagt 1450
140 gatgagaatg tgatagcata gcatagccaa ctttctccta ctcataggac 1500
142 aagtgactac aagaggcaat gggtagtccc ctgcattgca ctgtctcage 1550
144 tttagaattg ttatttctgc tatcgtgtta taagactcta aaacttagcg 1600
146 aattcacttt tcaggaagca tattccccct tagcccaaagg tgagcagagt 1650
148 gaagctacaa cagatctttc ctttaccagc acactttttt ttttttttcc 1700
150 tgcctgaatc agggagatcc aggatgctgt tcaggccaaa tcccaaccaa 1750
152 attccccctt tcactttgca gggcccatct tagtcaaata tgctaacttc 1800

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/080,455

DATE: 03/07/2002

TIME: 11:27:57

Input Set : N:\Crif3\RULE60\10080455.txt

Output Set: N:\CRF3\03072002\J080455.raw

```

154  taaaataata aatagcacta attcaaaatt tttggaatct taaattagct 1850
W--> 156  acttgcnngt tgcttggtga aaggnatata atgattacat tgtaaacaaa 1900
158  tttaaaatat ttatggatat ttgtgaaaag ctgcattatg ttaaataata 1950
160  ttacatgtaa agct 1964
162 <210> SEQ ID NO: 3
163 <211> LENGTH: 38
164 <212> TYPE: DNA
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <222> LOCATION: 1-38
170 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
172 <400> SEQUENCE: 3
173  gacgacaagc atatgttaga gactgctaag gagccctg 38
175 <210> SEQ ID NO: 4
176 <211> LENGTH: 34
177 <212> TYPE: DNA
178 <213> ORGANISM: Unknown
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: 1-34
183 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
185 <400> SEQUENCE: 4
186  tagcagccgg atcctaggag atgaattggg gatt 34
188 <210> SEQ ID NO: 5
189 <211> LENGTH: 24
190 <212> TYPE: PRT
191 <213> ORGANISM: Unknown
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: 1-24
196 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
198 <400> SEQUENCE: 5
199  Met Gly His His His His His His His His His His Ser Ser Gly
200    1          5          10          15
202  His Ile Asp Asp Asp Asp Lys His Met
203          20          24
205 <210> SEQ ID NO: 6
206 <211> LENGTH: 29
207 <212> TYPE: DNA
208 <213> ORGANISM: Unknown
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: 1-29
213 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
215 <400> SEQUENCE: 6
216  atcagggact ttccgctggg gactttccg 29
218 <210> SEQ ID NO: 7
219 <211> LENGTH: 42

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/080,455

DATE: 03/07/2002

TIME: 11:27:57

Input Set : N:\Crf3\RULE60\10080455.txt
Output Set: N:\CRF3\03072002\J080455.raw

220 <212> TYPE: DNA
221 <213> ORGANISM: Unknown
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: 1-42
226 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
228 <400> SEQUENCE: 7
229 tgtaaaacga cggccagttt ctctcagaga aacaagcaaa ac 42
231 <210> SEQ ID NO: 8
232 <211> LENGTH: 43
233 <212> TYPE: DNA
234 <213> ORGANISM: Unknown
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: 1-43
239 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
241 <400> SEQUENCE: 8
242 caggaaacag ctatgaccga agtggaccaa aggtctatcg cta 43

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/080,455

DATE: 03/07/2002

TIME: 11:27:58

Input Set : N:\Crf3\RULE60\10080455.txt

Output Set: N:\CRF3\03072002\J080455.raw

L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2